Zavio F7110 / F7115 Quick Installation Guide

Please follow the installation steps below to set up your F7110 / F7115 Box IP Camera.

Check the package contents against the list below. ***See P.1***

Physical overview. ***See P.1***

I/O Terminal Block Pin Definition. ***See P.2***

LED Indicator Definition. ***See P.3***

I/O Terminal Block Circuit. ***See P.3***

Install the hardware and connect all cables. ***See P.4***

Microsoft OS: Use the software CD to install Intelligent IP Installer. ***See P.5***

Access the IP Camera using Intelligent IP Installer. ***See P.5***

Mac OS using Safari Browser. ***See P.7***

Change lighting environment setting. ***See P.8***

Change the Web Interface into your preferred language. ***See P.8***

Use IP Camera via Mobile Phone. ***See P.8***

Wireless Setting (F7115 Model). ***See P.9***

Windows Live Messenger Setting. ***See P.9***

Access to Internet via Static IP, Dynamic IP or both. ***See P.11***

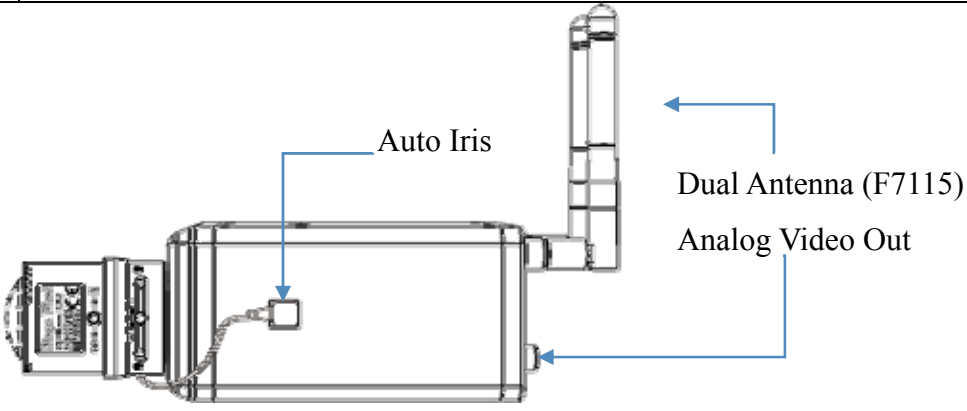
Application of IP Camera. **See P.13**

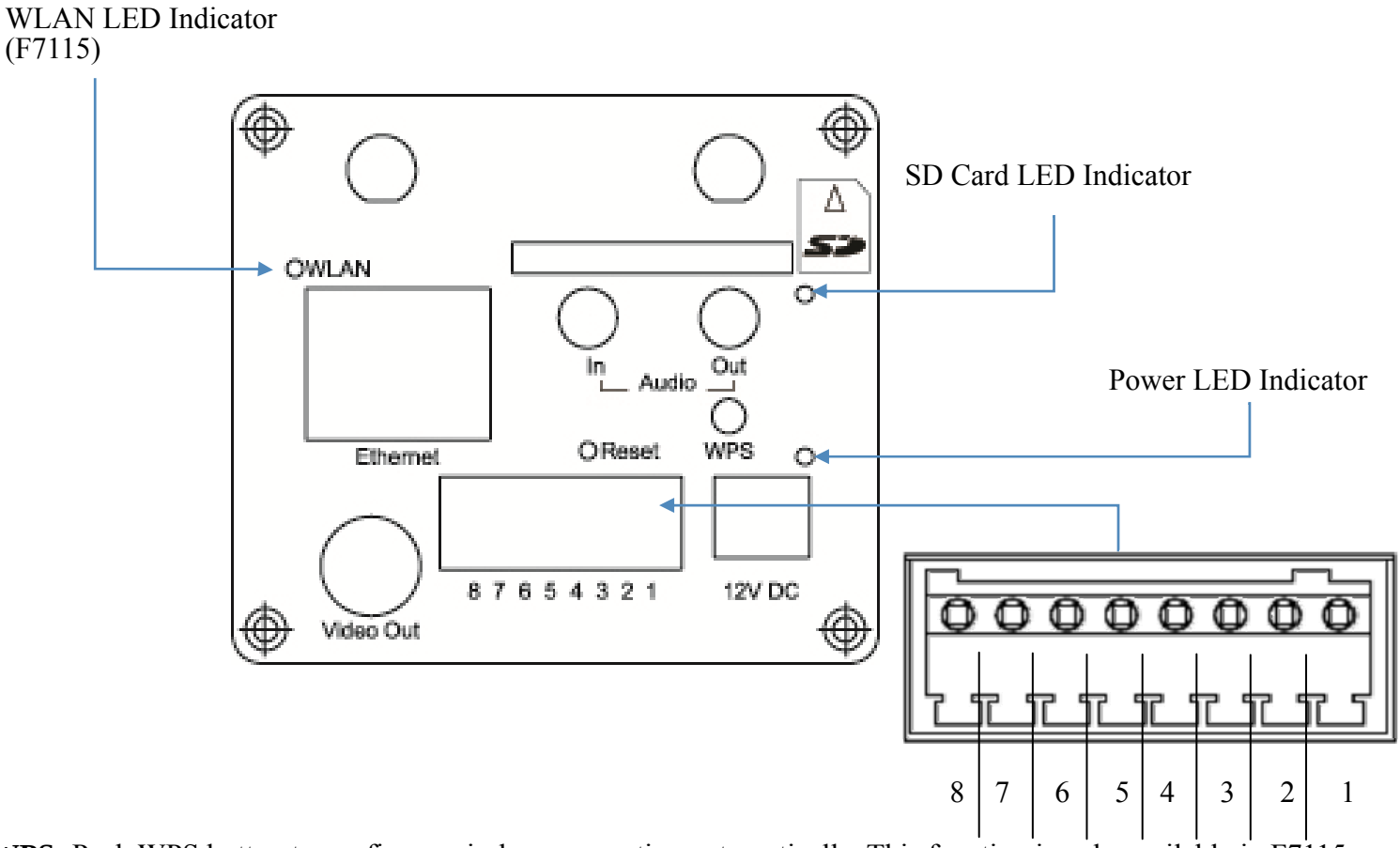
For more information, please check the User Manual available in the Software CD or you can download the latest software from http://www.zavio.com

Package Contents

Camera	F7110 / F7115 IP Camera
Quick Installation Guide	Brief product information and quick installation
Software CD	IP Surveillance Software Intelligent IP Installer User Manual Language Packs
Mounting Bracket	Three screw, Lock ring, and one bracket
Accessory	BNC female to RCA male adapter 8 pin terminal block for DI/DO and RS-485 Dual antenna for connection of IEEE 802.11b/g/n wireless network (F7115 only)
Adaptor	12V DC, max 12W

Physical overview





WPS: Push WPS button to configure wireless connection automatically. This function is only available in F7115.

Reset: When the device is powered, press the Reset Button to reboot the device, or hold the Reset Button for 10 seconds to set the settings back to factory default.

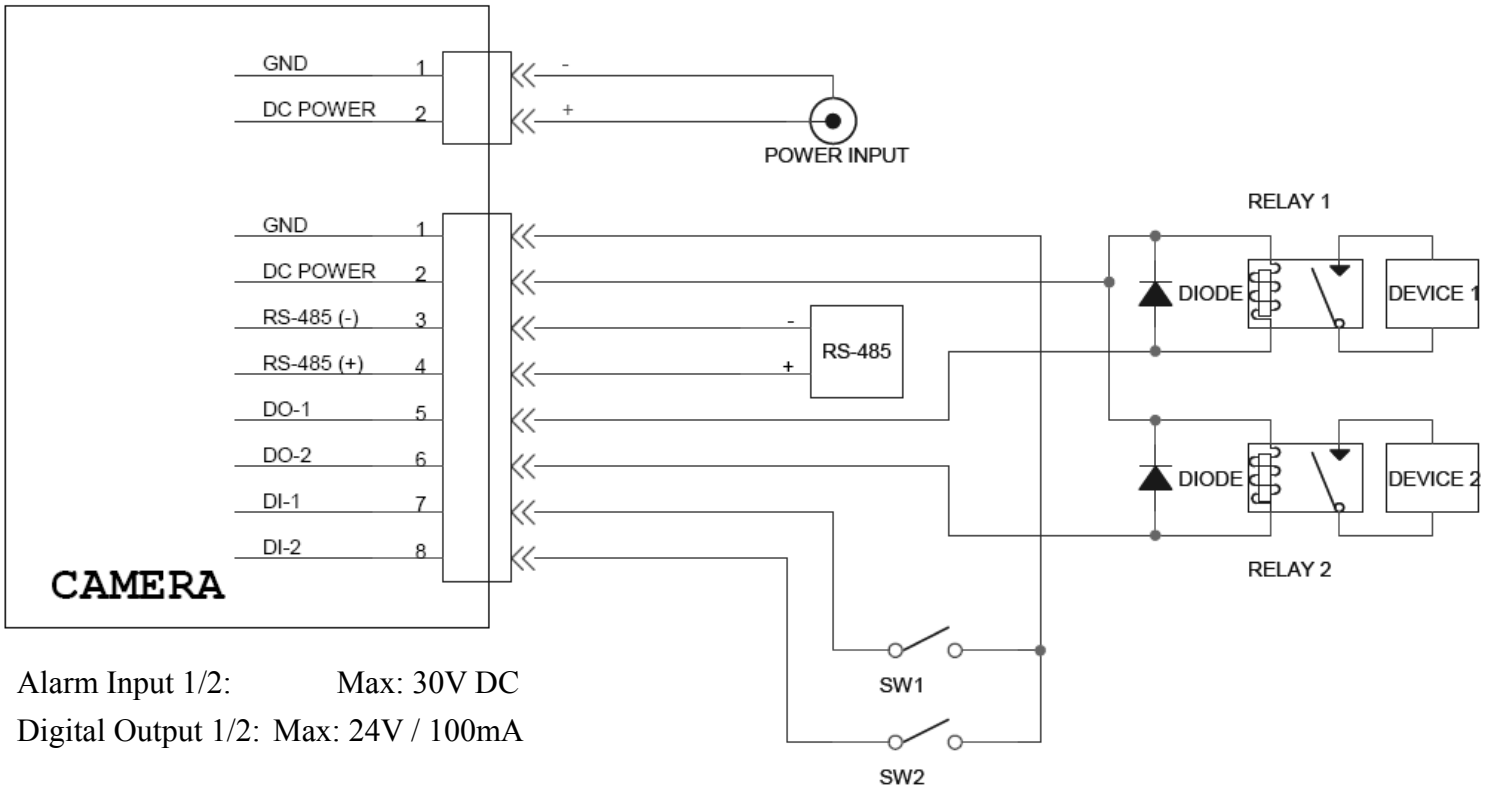
I/O Terminal Block Pin Definition

PIN	Definition	Description	Max. V/A
1	Ground		-
2	+ 12V DC		12V DC 1.2W
3	RS-485 -		-
4	RS-485 +		-
5	Digital Output 1	Uses an NPN transistor with the emitter connected to the GND pin. If used with an external relay, a diode must be connected in parallel with the load for protection against voltage transients.	100 mA 24V
6	Digital Output 2	Uses an NPN transistor with the emitter connected to the GND pin. If used with an external relay, a diode must be connected in parallel with the load for protection against voltage transients.	100mA 24V
7	Alarm Input 1	Connected to GND to activate, or leave floating (or unconnected) to deactivate.	30V DC
8	Alarm Input 2	Connected to GND to activate, or leave floating (or unconnected) to deactivate.	30V DC

LED Indicator Definition

POWER LED	
Steady Red	Boot up process
Steady Green	Boot up complete
Steady Green → Flash Orange	Push WPS button and ready for connecting wireless router / AP
Flash Orange → Steady Green	WPS configuration successful
Flash Orange → Steady Red 30 Secs	WPS configuration failed
Steady Green → Unlit	Push reset button and then reset
Steady Green → Unlit → Steady Green	Push reset button for at least 5 secs and then reset to default
Steady Green → Flashing Orange	Firmware upgrade
ETHERNET LED	
Flashing Orange	Wired packets transmission
Steady Green	Network connected
WIRELESS LED	
Flashing Blue	Wireless packets transmission
Unlit	No transmission
SD /SDHC CARD LED	
Flashing Blue	Accessing the SD card

I/O Terminal Block Circuit



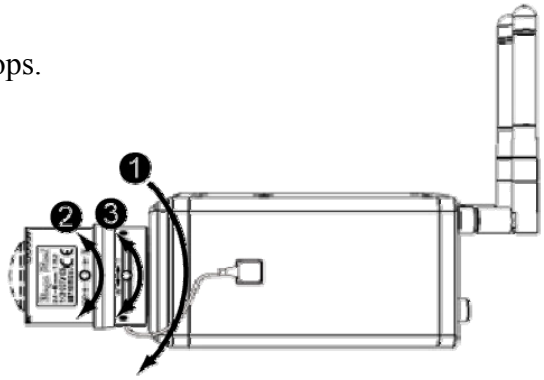
Alarm Input 1/2: Max: 30V DC

Digital Output 1/2: Max: 24V / 100mA

Install the hardware and connect all cables

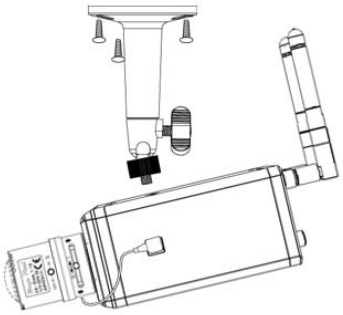
a.Mounting the Lens to the Camera

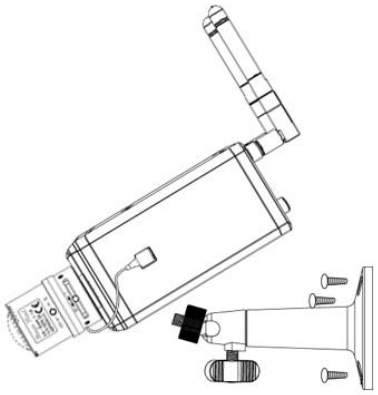
1. Mount the lens by turning it clockwise on the camera until it stops.
2. Unscrew the focus controller to adjust the focus.
3. Tighten the focus controller when completing.



b. Wall mounting and Ceiling mounting

1. Use the 3 supplied screws to fix the base plate to a flat surface.
2. Loosen the lock ring to adjust the desired angle of the camera.
3. Tighten the lock ring.

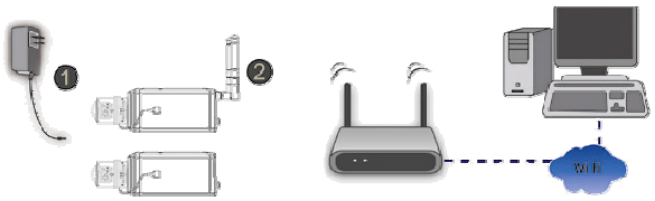




c. Connect all cables

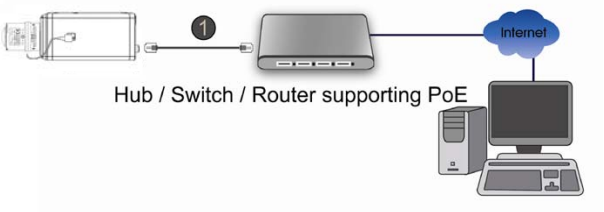
c1. Without Power over Ethernet (PoE) connection **(F7110 / F7115)**

1. Connect the power adaptor to the IP Camera.
2. Using a standard RJ-45 network cable, connect the IP Camera to a normal Hub / Switch / Router.



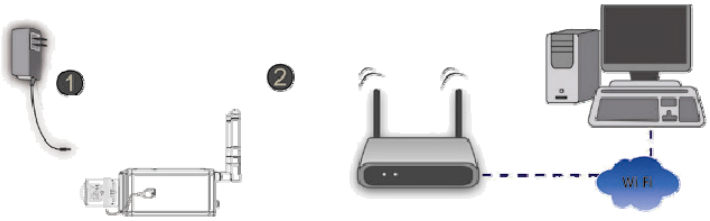
c2. Power over Ethernet (PoE) **(F7110 only)**

1. Using a standard RJ-45 network cable, connect the IP Camera to a PoE-enabled Hub / Switch / Router



c3. Wireless connection **(F7115 only)**

1. Connect the power adaptor to IP Camera.
2. Connect to Wi-Fi



Microsoft OS: Use the software CD to install Intelligent IP Installer

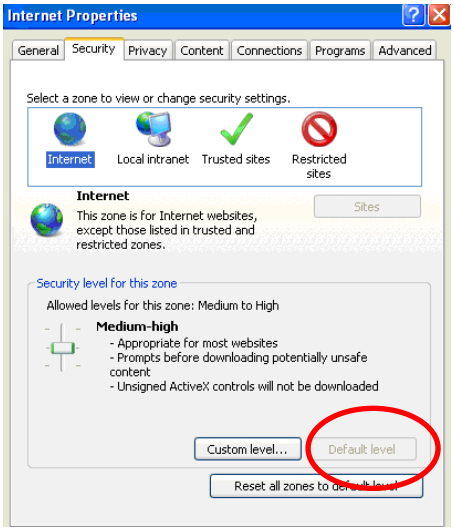
Power on your PC and insert the CD-ROM. The setup page will show up automatically. Please follow those steps to install the firmware.

Select **"Intelligent IP Installer" and follow the installation process to complete the installation.**

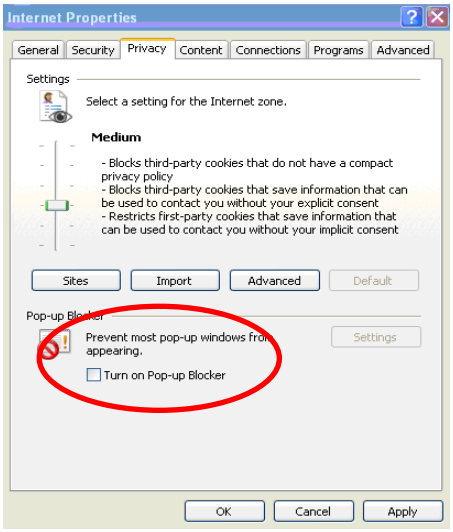
Access the IP Camera using Intelligent IP Installer

1. Before using Intelligent IP Installer, please check two setting.

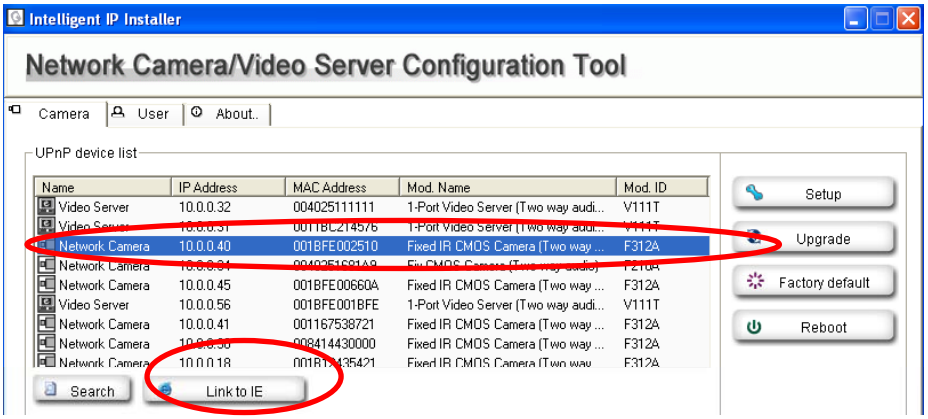
a. Browser's Internet Properties → Security → **Default Level**



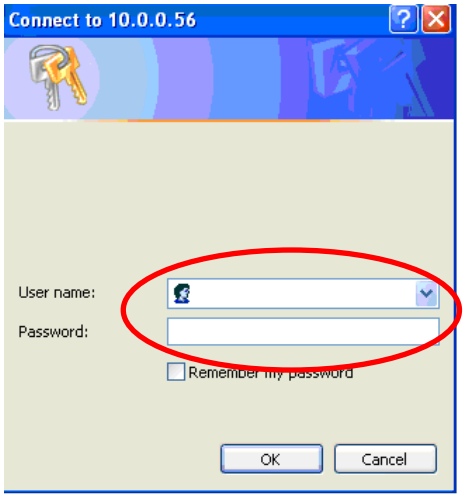
b. Browser's Internet Properties → Privacy → Uncheck **Pop-up Blocker**



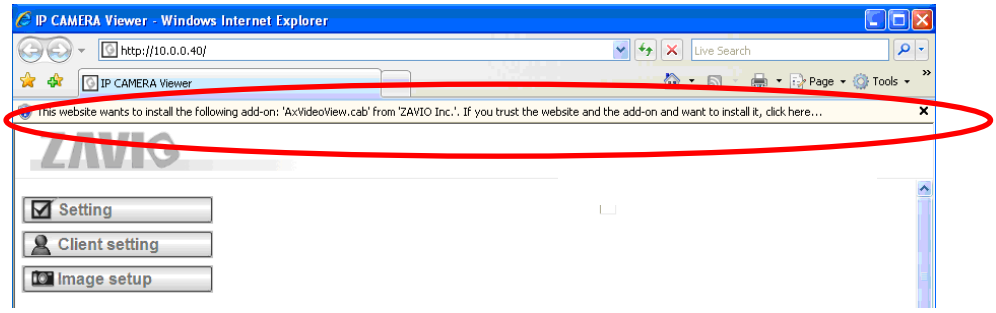
2. Click the Intelligent IP Installer Icon on your desktop. The main page will show up listing all active camera and video server devices. Select the relevant IP camera from the list and click **Link to IE.**


Intelligent IP Installer
Network Camera/Video Server Configuration Tool
Camera
User
About..
UPnP device list
Name
IP Address
MAC Address
Mod. Name
Mod. ID
Video Server 10.0.0.32 004025111111 1-Port Video Server (Two way audi... V111T
Network Camera 10.0.0.40 001BFE002510 Fixed IR CMOS Camera (Two way ... F312A
Network Camera 10.0.0.45 001BFE00660A Fixed IR CMOS Camera (Two way ... F312A
Video Server 10.0.0.56 001BFE001BFE 1-Port Video Server (Two way audi... V111T
Network Camera 10.0.0.41 001167538721 Fixed IR CMOS Camera (Two way ... F312A
Network Camera Fixed IR CMOS Camera (Two way ... F312A
Setup
Upgrade
Factory default
Reboot
Search
Link to IE

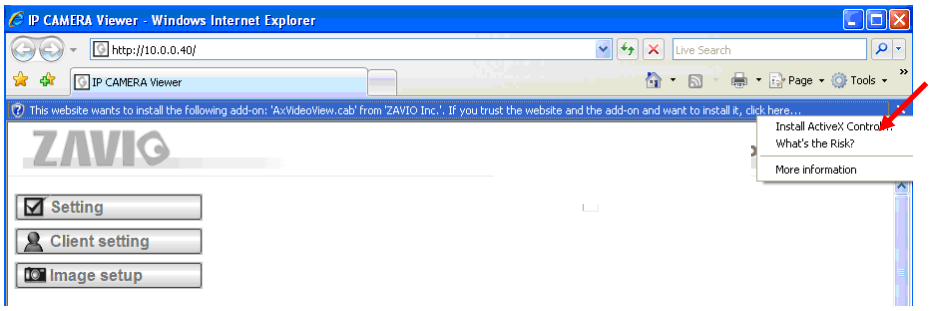
3. Enter your Username and Password to login to the IP Camera.
(Default is admin / admin)



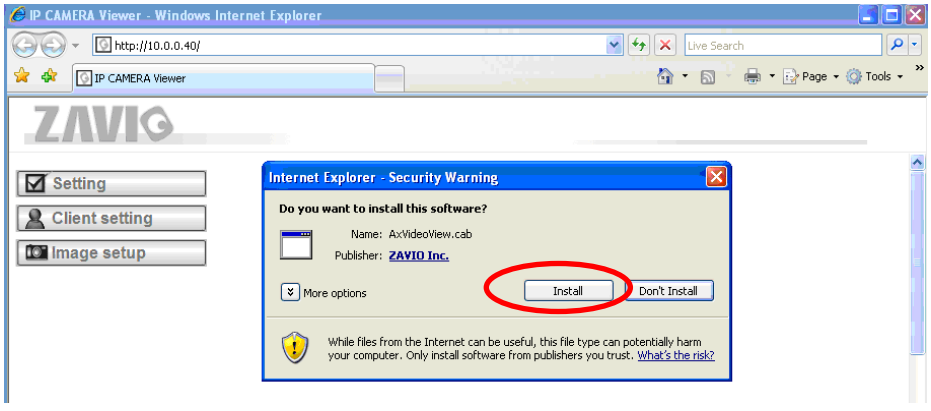
4. When accessing the IP Camera for the first time, a yellow information bar appears below the address bar: **This website wants to install the following add-on: 'AxvideoView.cab from 'Zavio Inc'**.


IP CAMERA Viewer - Windows Internet Explorer
http://10.0.0.40/
IP CAMERA Viewer
This website wants to install the following add-on: 'AxVideoView.cab' from 'ZAVIO Inc.'. If you trust the website and the add-on and want to install it, click here...
Setting
Client setting
Image setup

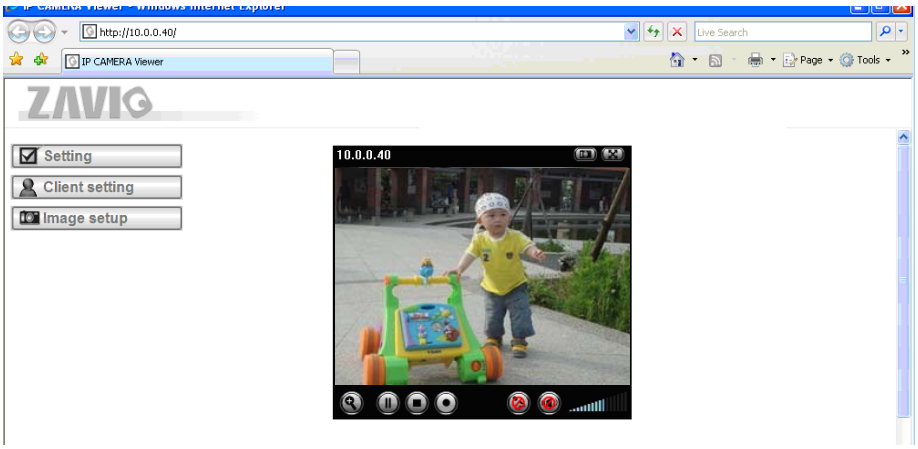
5. Click the information bar, and select **Install ActiveX control**.


IP CAMERA Viewer - Windows Internet Explorer
http://10.0.0.40/
IP CAMERA Viewer
This website wants to install the following add-on: 'AxVideoView.cab' from 'ZAVIO Inc.'. If you trust the website and the add-on and want to install it, click here...
Install ActiveX Control...
What's the Risk?
More information
Setting
Client setting
Image setup

6. Click **Install**.

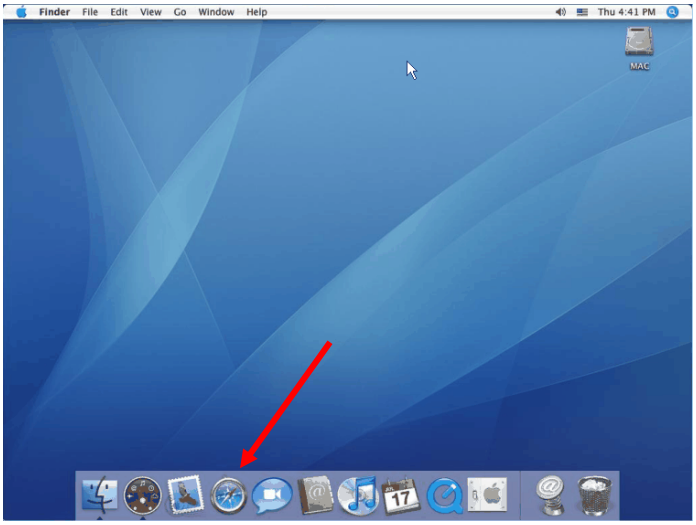

IP CAMERA Viewer - Windows Internet Explorer
http://10.0.0.40/
IP CAMERA Viewer
Setting
Client setting
Image setup
Internet Explorer - Security Warning
Do you want to install this software?
Name: AxVideoView.cab
Publisher: ZAVIO Inc.
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

7. Live video displays in the centre of your web browser.

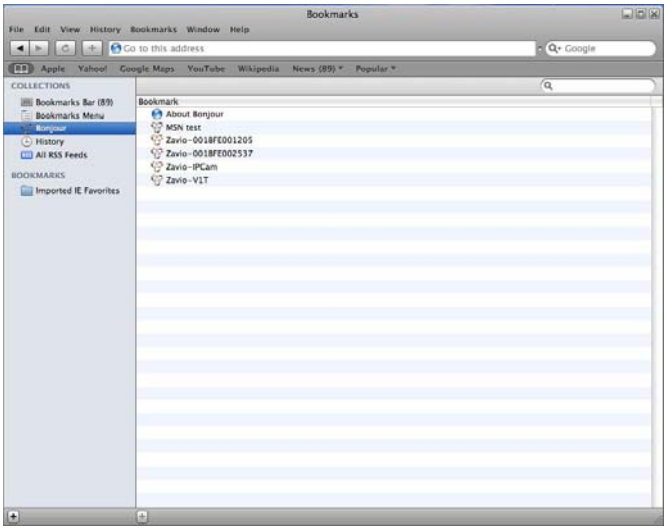


Mac OS using Safari Browser

1. Select **Safari icon**

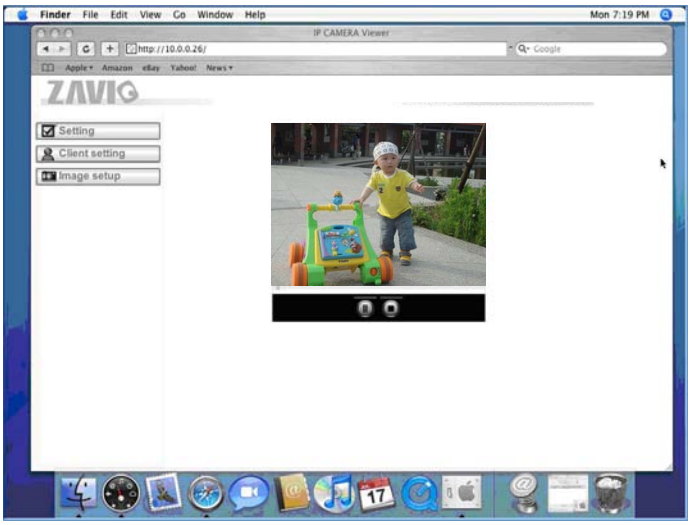


2. Click **Bonjour function** and select the camera you wish to access.



3. Enter name and password to login to the IP camera. (**Default is admin / admin**)

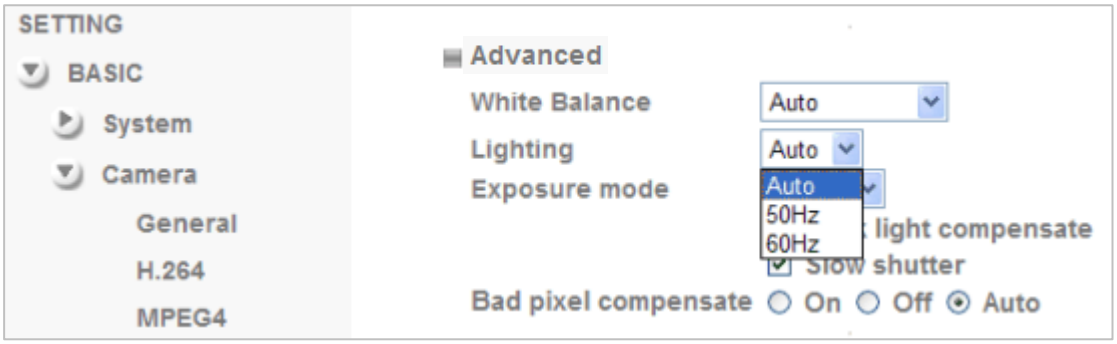
4. The monitor image will be displayed in your browser.



Change Lighting environment setting

The default setting of lighting environment is **Auto**. However, you may also select 50 or 60 Hz upon the lighting environment of your country.

Go to "Setting → Basic → Camera → Advance", choose the environment setting you wish.

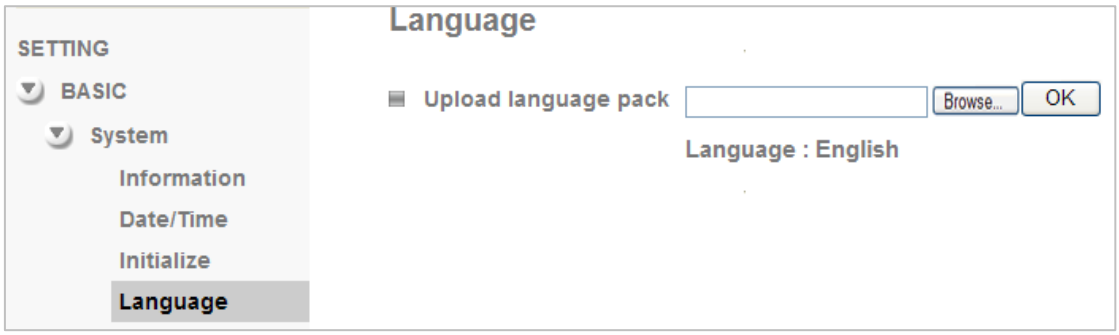


Change the Web Interface into your preferred language

Use the settings screen to set the language of the Web Interface.

Go to "Setting → Basic → System → Language ".

1. Insert Software CD into your CD-ROM.
2. Browse and select the preferred language from language pack in the Software CD and then click OK.
3. The web interface will change into your preferred language.



Use IP Camera via Mobile Phone

1. Using IP Camera via iPhone

Select Safari function → Enter IP address in the web link → enter username and password (**default value admin/admin**) → The Zavio user interface and Live Image will show up in the middle of the screen.

2. Mobile phone viewing

a. 3G Mobile Phone Streaming Viewing

For 3G mobile phone viewing, please type **" rtsp://<IP>:<PORT>/video.3gp "** into your 3G web media player.

<IP> is the IP address of your IP camera;

<PORT> is the RTSP port of your IP camera (Default value is 554.)

Example: rtsp://100.10.10.1:554/video.3gp

b. 2.5G Mobile Phone Viewing

b1. WAP viewing

For 2.5G WAP mobile phone viewing, type **" http://<IP>/mobile.wml "** into your 2.5G web browser.

b1. Browser viewing

For 2.5G mobile phone browser viewing, type **"http:// <IP>/mobile.htm "** into your 2.5G web browser.

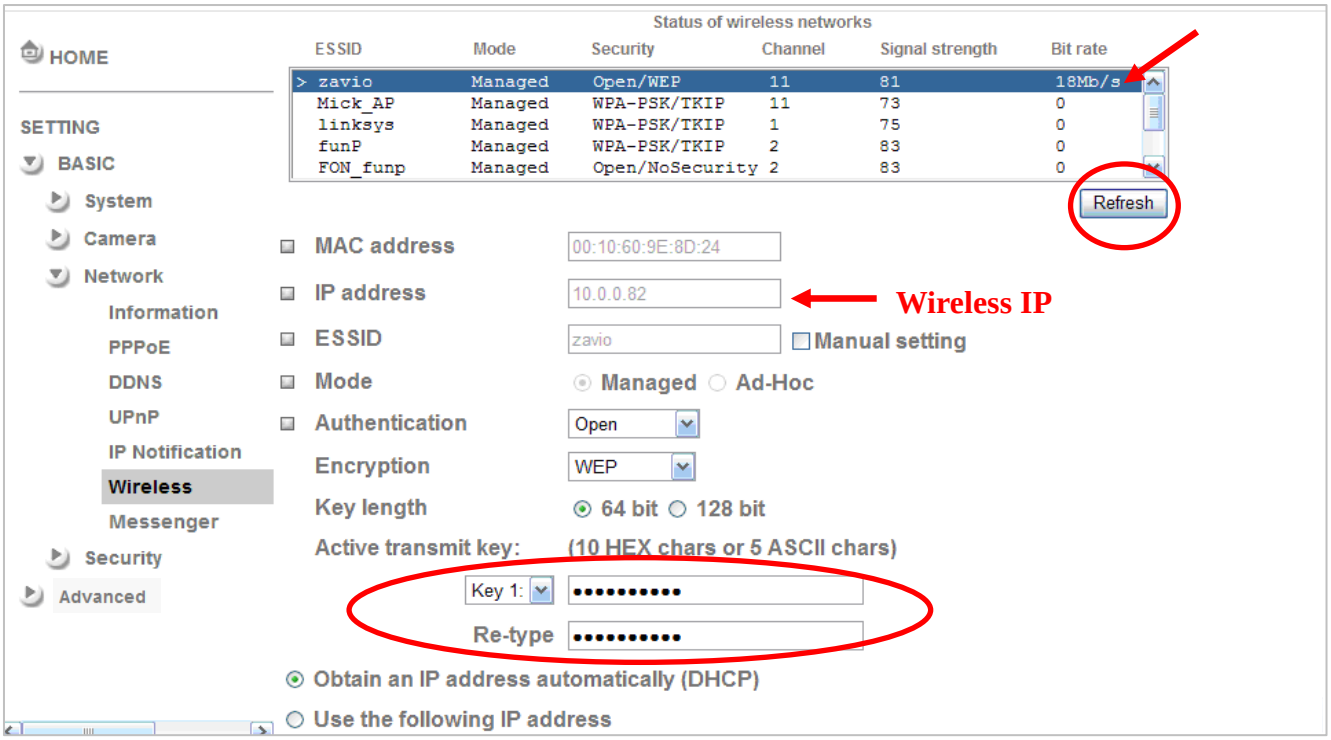
Wireless Setting (F7115 model)

Power the IP Camera and connect an Ethernet network cable to the IP Camera's LAN port. Using Intelligent IP Installer and entering the camera's setting page.

Please go to "Setting → Basic → System → Network → Wireless", set the wireless option to "On"

1. Click Refresh and choose the Access Point you wish to connect.
2. Enter the password within the **Active transmit key** field if required.
3. Choose DHCP to connect through a dynamic IP or assign a static IP for the wireless connection.
4. Click "OK" to apply settings. The **Wireless IP address** appears in the **IP address** field.

Note: The wireless private IP address can be found in Intelligent IP Installer.



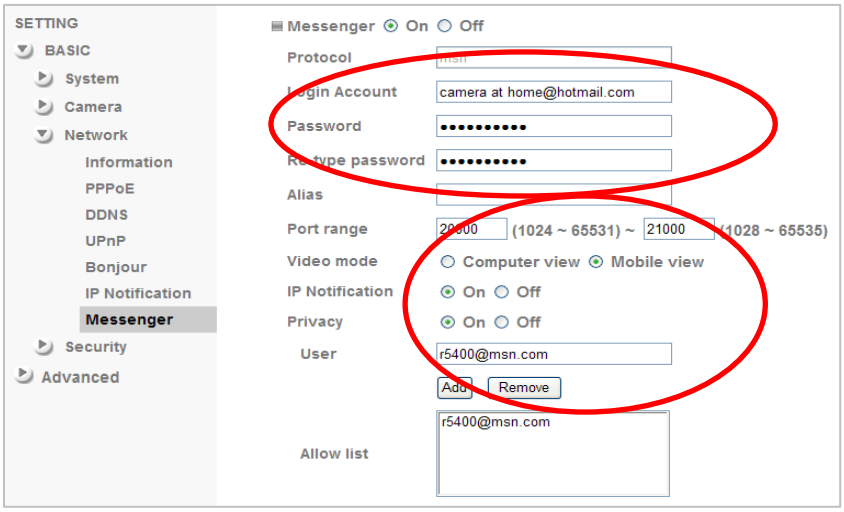
Windows Live Messenger Setting

Live video of the IP Camera can be displayed using Microsoft Live Messenger, whilst providing its public IP address to users for access via the web browser. This feature is useful especially when the IP addresss of the camera is dynamically assigned.

If you wish to set up MSN Messenger, enter the camera's setting page.

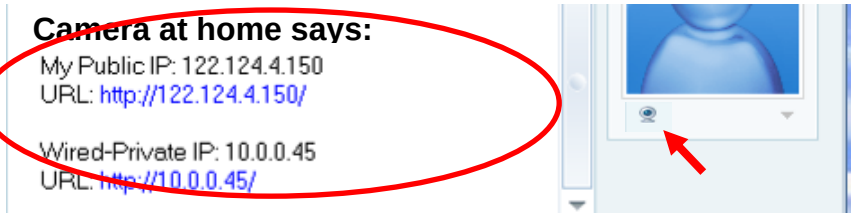
Go to "Setting → Basic → System → Network → Messenger", set the Messenger option "On"

1. Create a new MSN Messenger account (**e.g.: Camera at home**) for the IP Camera
2. Enter the new MSN Messenger Login account and password within the designated boxes.
3. If your router has firewall function, you have to set the **Port Range** on this setting page in accordance with the one of firewall.
4. Choose the **Video Mode**, decide the live view image of messenger received from Computer View (MPEG-4) or Mobile View (3GPP).
5. Under the **IP Notification Option,** click **"On"** to enable IP notification to the users.
6. Under the **Privacy** Option, Click "On" to create an allow list.
7. Use your existing account to login to MSN Messenger.
8. Add the new MSN Messenger account (**e.g.: Camera at home**) to your contact list.

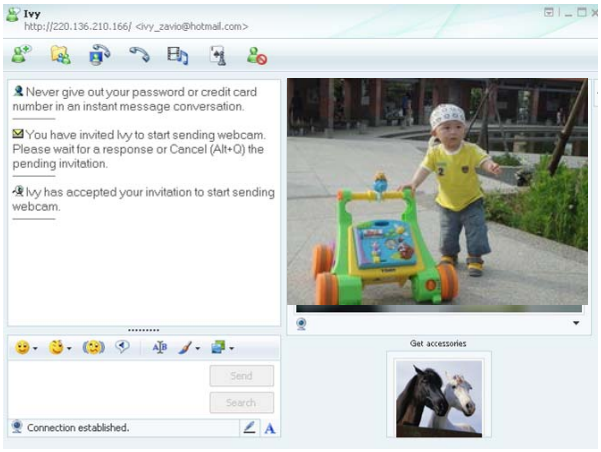


9. The IP Camera will send you a message with its Public IP and Private IP if the IP Notification Option is enabled.

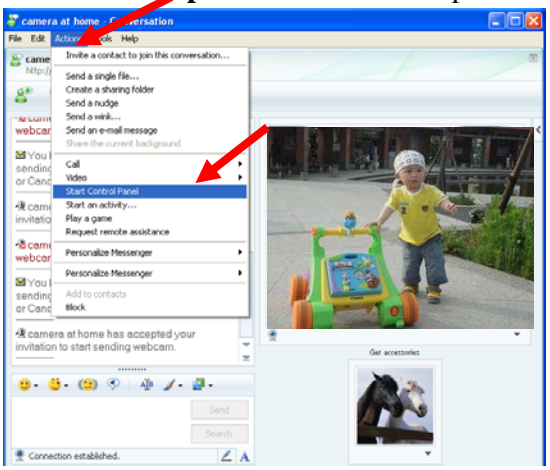
10. Click on the small camera icon. Then, choose “View a new contact's webcam”.



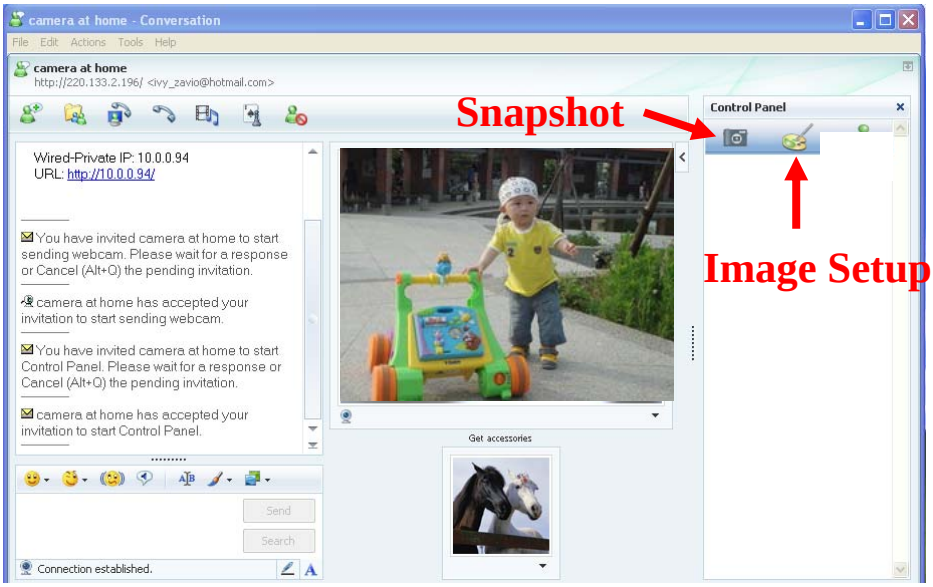
11. The IP Camera automatically accepts your invitation and its live video is displayed.


Ivy
Never give out your password or credit card number in an instant message conversation.
You have invited Ivy to start sending webcam. Please wait for a response or Cancel (Alt+Q) the pending invitation.
Ivy has accepted your invitation to start sending webcam.
Get accessories
Send
Search
Connection established.

12. Click **Action** button and choose **Start control panel** to use control panel



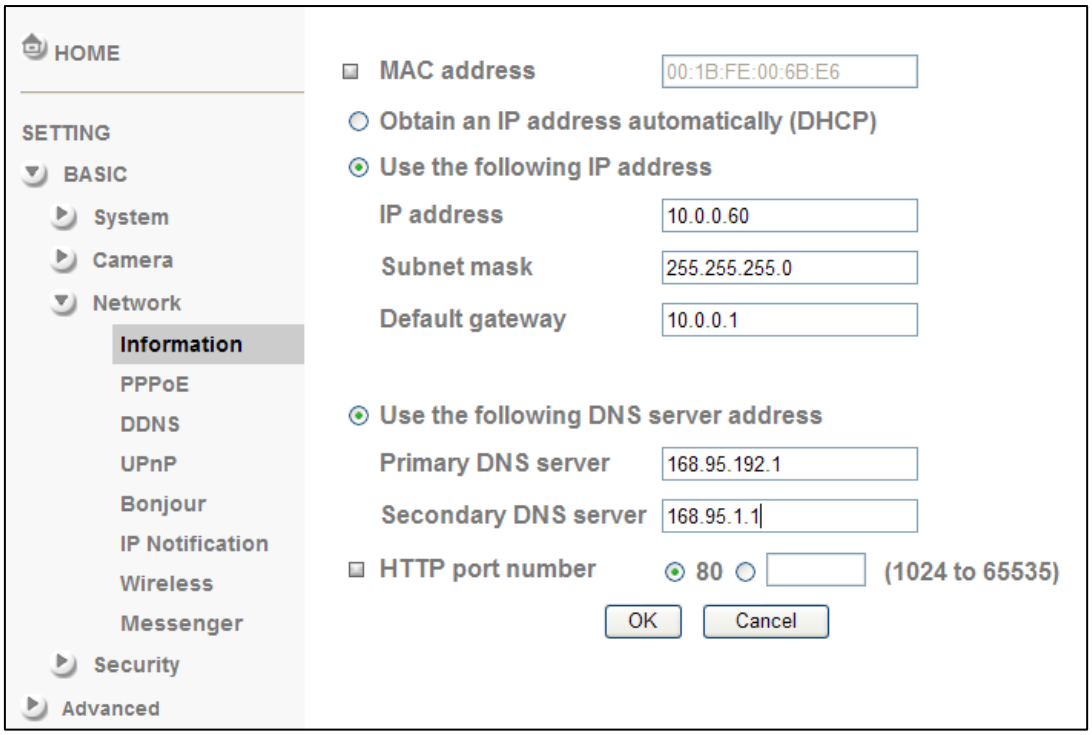
13. You can use **Snapshot, Image Setup and PT Control** function via MSN add-in control panel.


camera at home - Conversation
File Edit Actions Tools Help
camera at home
http://220.133.2.196/ <ivy_zavio@hotmail.com>
Snapshot
Control Panel
Image Setup
Wired-Private IP: 10.0.0.94
URL: http://10.0.0.94/
You have invited camera at home to start sending webcam. Please wait for a response or Cancel (Alt+Q) the pending invitation.
camera at home has accepted your invitation to start sending webcam.
You have invited camera at home to start Control Panel. Please wait for a response or Cancel (Alt+Q) the pending invitation.
camera at home has accepted your invitation to start Control Panel.
Get accessories
Send
Search
Connection established.

Access to the Internet

a. Internet connectivity of the IP camera can be established by inputting the cameras IP information within the **Information section**.

(Please go to **Setting → Basic → Network→ Information**)

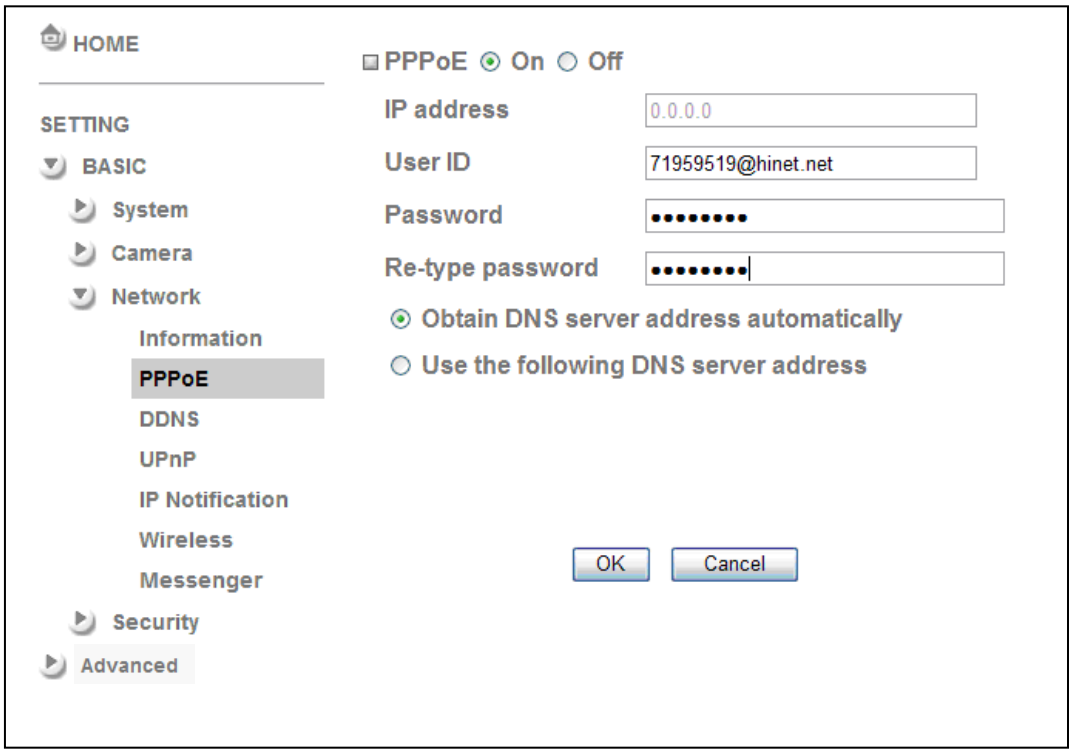


b. Internet Connectivity of the IP Camera can be established through PPPoE (Point-to-Point Protocol over the Ethernet) by inputting the username and password from your Internet Service Provider (ISP) within the **PPPoE section**.

(Please go to **Setting → Basic → Network→ PPPoE**)

Note 1: Please reboot the IP Camera, after changing the PPPoE settings.

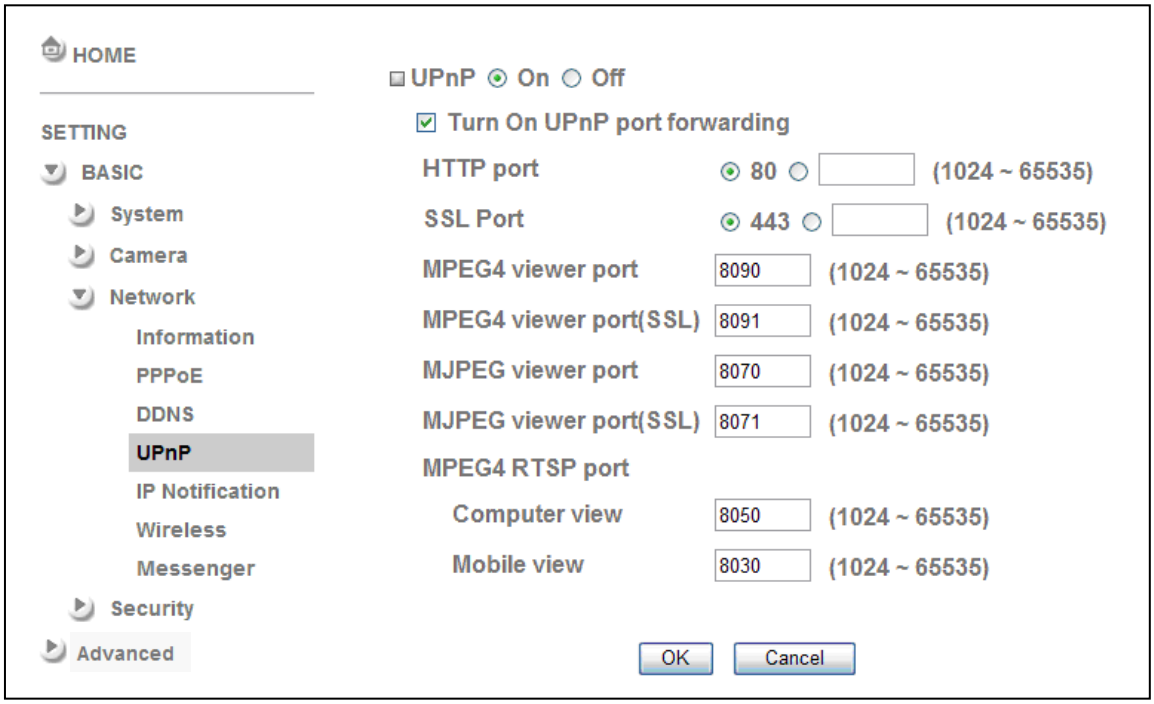
Note 2: Please turn on the DDNS and IP Notification function when using the PPPoE function.



c. Internet Connectivity of the IP Camera can be established if your router is UPnP (Universal Plug and Play) enabled. The IP camera is automatically detected and added to “My Network Places” on your computer. *Please note that only Home Routers manufactured after 2006 support the UPnP function.*

c1. If your router is a UPnP Internet Gateway Device (IGD), turn on the **UPnP function** within the UPnP section. (Please go **Setting → Basic → Network→ UPnP**)

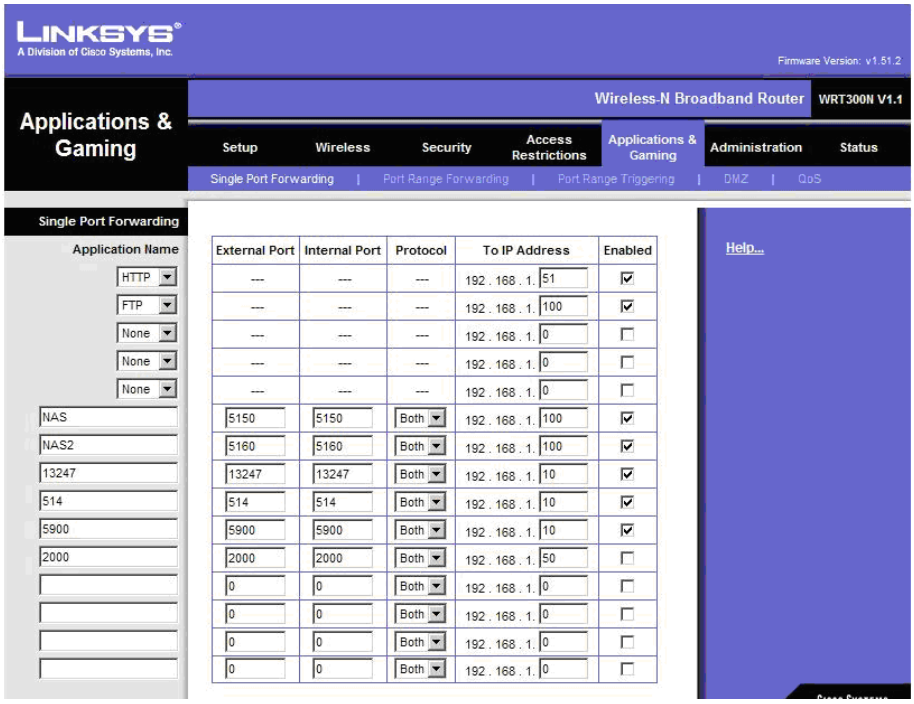
Note: If you turn on the UPnP Port Forwarding function, RTSP (Real Time Streaming Protocol) Port information will change to the illustrated value below.



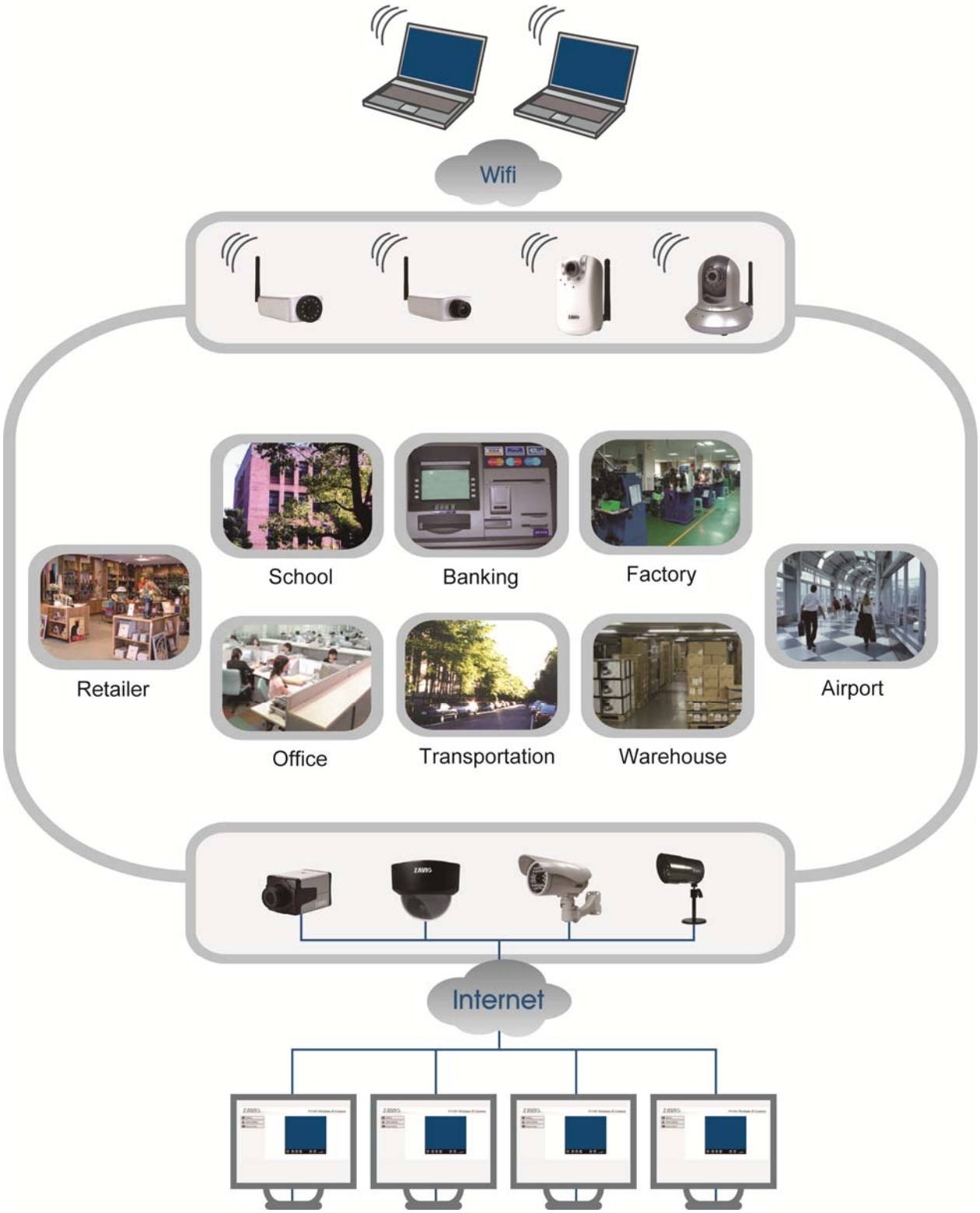
c2. If your router is not a UPnP Internet Gateway Device, please setup Port Forwarding or Port Mapping

Note 1: Home Routers manufactured before 2006 do not support UPnP IGD function.

Note 2: Enterprise Routers do not support UPnP IGD function.



Application of IP Camera



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